



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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May 3, 1985

CERTIFIED RETURN RECEIPT REQUESTED  
(P402 457 163)

Mr. Melvin A. Coonrod  
Co-Op Mining Company  
P. O. Box 1245  
Huntington, Utah 84528

Dear Mr. Coonrod:

RE: Abatement Plans for Notice of Violation N85-4-3-2, #2 of  
2, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025, #3  
and 7, Emery County, Utah

The Division has reviewed Co-Op Mining Company's March 28, 1985 abatement response for Notice of Violation (NOV) N85-4-3-2, #2 of 2, and has found the letter and referenced Mining and Reclamation Plan (MRP) information to be technically inadequate. The following deficiencies must be addressed prior to Division approval of the plans:

Co-Op currently does not have complete plans for Pond "B." The sizing requirements for riprap to be implemented at the road drainage culvert into the pond and an accurate description of protection for the spillway must be provided.

Pond "B" currently encroaches upon Bear Creek. When reconstructing Pond "B," Co-Op must move this structure an adequate distance from the creek based on flood flow calculations for this reach of Bear Creek. Adequate protection must be provided for the outslope of Pond "B" to withstand calculated flood flow velocities associated with Bear Creek.

In summary, if Co-Op Mining Company adequately addresses the following concerns to supplement the information provided in the MRP, the Division can grant approval for the plans and subsequent construction.

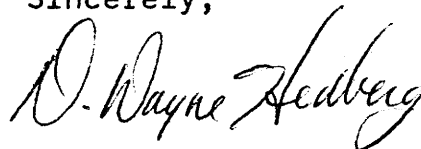
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Mr. Melvin A. Coonrod  
ACT/015/025  
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Required technical information:

- A. Final pond location in relation to Bear Creek, including flood flow calculations (25-year, 24-hour event) for this reach of Bear Creek. Pond outslope stability and erosion control measures, as necessary, to withstand the calculated flood flow velocities;
- B. A properly designed pond dewatering device (i.e., decant pipe, etc.) placed in the embankment with an oil skimmer to provide decant capabilities;
- C. An adequately sized embankment to meet the requirements of UMC 817.46(1);
- D. Erosion protection for all pond inlets and spillways must be provided. Current calculations show no outflow from the pond during the 25-year, 24-hour event. Minimal protection must be provided to protect bare soils from erosion.

Any additional calculations, revised text, figures, or map plates must be prepared in a format to permit direct replacement and/or insertion into the MRP. Please provide a response to these deficiencies by May 20, 1985. Should you have any further questions or concerns, please do not hesitate to call me or Tom Munson of the technical review staff.

Sincerely,



D. Wayne Hedberg  
Permit Supervisor/  
Reclamation Hydrologist

TM/btb

cc: Donna Griffin  
Lowell Braxton  
Joe Helfrich  
Ev Hooper  
Dave Lof  
John Whitehead  
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